

Polev, N.M.

81987

S/120/60/000/03/018/055
E041/E521

9.3260

AUTHORS: Kolotov, O.S., Lobanov, Yu.N., Obukhov, A.S. and
Polev, N.M.

TITLE: Short-Duration Pulse Generator⁵

PERIODICAL: Pribery i tekhnika eksperimenta, 1960, No 3, pp 73-76

ABSTRACT: At present the most suitable industrial thyatron available for short pulse work is the TG11-3/1⁸ which breaks down in less than 5 ns with a variation in the instant of breakdown of less than 1 ns (see Refs 2-4). However it will only support about 1 kV at the anode and is thus suitable for low-voltage working only. The production of high-voltage pulses requires a subsequent amplifier. Fig 1 shows a suitable circuit in which the pulse driving the thyatron is formed in valves 6Pl4P and 6Pl3s. The output stages use GI-30 valves. The driving pulse is positive, 200 V and has a rise time of 20 ns. The pulse-forming line at the thyatron anode is a shorted length of RK-20 coaxial cable. A

Card 1/3 capacitance of 10-20 pF is found to be necessary at the

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Short-Duration Pulse Generator

anode to improve the pulse shape. The cathode load of the thyatron is the input impedance of the length of terminated coaxial cable which connects the pulse to the final amplifier. This final driving pulse is positive, 300 V and has a rise time of 5 ns. The final amplifier offers alternative paths giving either polarity output. Each output valve is a parallel-connected double-tetrode. Valve L5 gives out a negative pulse whose rise and fall times will be less than 5 ns provided the load resistance is less than 200 ohms. Valve L₄ gives a positive output and special precautions are necessary when driving this valve, as shown in Fig 2. In order to transmit a flat-topped pulse of given duration, the cable inductance must satisfy the condition at the foot of p 75. For short pulses the practical arrangement consists of 17 turns of RK-20 cable of adjustable pitch wound on a 40 mm diameter ceramic former containing a ferrite core. This produces

Card 2/3

4X

LABUSHKIN, V.G.; POLEV, N.M.; RUZER, L.S.

Determining the self-absorption of alpha rays in a sample of air being
filtered. Atom. energ. 19 no.1:39 J1 '65. (MIRA 18:7)

AMAGLOBELI, N.S.; GOLOVIN, B.M.; KAZARINOV, Yu.M.; MEDVED', S.V.; POLEV, N.M.

Determining the coupling constant of η -meson - nucleon interaction
from the elastic scattering cross sections of neutrons by means of
630 Mev. protons. Zhur.eksp.i teor.fiz. 38 no.2:660-662 F '60.
(MIRA 14:5)

1. Ob'yedinennyy institut yadernykh issledovaniy; Institut fiziki
Akademii Gruzinskoy SSR.

(Mesons) (Nucleons)

KAPTSAN, V.Kh.; POLEV, P.V.; SAFAROV, E.I.

Recent data on the Upper Paleozoic in Moldavia. Dokl. AN SSSR
150 no.4:882-884 Je '63. (MIRA 16:6)

1. Predstavleno akademikom D.V. Nalivkinym.
(Moldavia---Geology, Stratigraphic)

Polev, P. V.

3(5)

R. 7

PHASE I BOOK EXPLOITATION

SOV/2682

Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy nef'tyanoy institut

Voprosy poiskov, razvedki i dobychi nef'ti i gaza na territorii USSR; doklady na vyvezdnoy sessii uchenykh sovetov VNIGNI i VNII, prokhodivshey v g. L'vove v maye 1957 g. (Problems in the Exploration and Production of Oil and Gas in the Ukrainian SSR; Reports Presented at a Session of the Scientific Councils of the All-Union Petroleum Scientific Research Institute for Geological Survey and the All-Union Scientific Research Institute, in Lvov, May 1957) Moscow, Gostoptekhizdat, 1959. 282 p. 1,000 copies printed.

Additional Sponsoring Agency: USSR. Ministerstvo geologii i okhrany neдр.

Eds.: I. G. Baranov, V. V. Glushko, and A. S. Muromtsev; Executive Eds.: S. M. Yungans, and A. I. Zaretskaya; Tech Ed.: I. G. Fedotova.

PURPOSE: This book is intended for petroleum geologists and Ukrainian area specialists.

COVERAGE: This book contains 27 reports originally read at a meeting of the scientific councils of the VNIGNI (All-Union Petroleum Scientific Research Institute for Geological Survey), the VNII (All-Union Scientific Research

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Problems in the Exploration (Cont.)

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Baranov, I. G., I. F. Klitochenko, A. A. Martynov, A. S. Murontsev, and N. A. Samborskiy. Gas and Oil Possibilities of the Devonian Formations of the Southeastern Part of Dnepr-Donets Depression	138
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ZARNITSKIY, Ya.; POLEV, Yu.

Motortruck with freight lifting tail gate. Avt. transp. 41
no.9:42-44 S '63. (MIRA 16:10)

1. Gor'kovskiy avtomobil'nyy zavod.

ZARNITSKIY, Ya.M.; POLEV, Yu.M.

Body and cab door locks for GAZ automobiles. Avt. prom. no. 1:5-7
Ja '61. (MIRA 14:4)

1. Gor'kovskiy avtozavod.
(Locks and keys) (Automobiles--Equipment and supplies)

MARKELOV, Ivan Alekseyevich; POLEVA, I.G., red.; MEDVEDEVA, R.A., tekhn.
red.

[Contribution of the club to collective farm production] Klub -
kolkhoznomu proizvodstvu; iz opyta raboty Vurmankasinskogo sel'-
skogo kluba Vurnarskogo raiona Chuvashskoi ASSR. Moskva, Izd-vo
"Sovetskaya Rossiya." (Biblioteka sel'skogo klubnogo rabotnika,
no.7) No.3. 1961. 33 p. (MIRA 14:8)
(Vurnary District—Collective farms)

ALEKSEYEVA, G.Ye., kand. tekhn. nauk, dots.; MELESHKINA, L.P., dots., kand. tekhn. nauk; BALUYEV, V.K., inzh.; BAMDAS, A.M., prof., doktor tekhn. nauk; VENIKOV, V.A., prof., doktor tekhn. nauk; YEZHKOVA, V.V., kand. tekhn. nauk; ANISIMOVA, N.D., dots., kand. tekhn. nauk; GANTMAN, S.A., kand. khim. nauk; GLAZUNOV, A.A., dots., kand. tekhn. nauk; GOGUA, L.K., inzh.; GREBENNICHENKO, V.T., inzh.; GRUDINSKIY, P.G., prof.; GORFINKEL', Ya.M., inzh.; ZVEZDIN, A.L., inzh.; KAZANOVICH, G.Ya., inzh.; KNYAZEVSKIY, B.A., dots., kand. tekhn. nauk; KOSAREV, G.V., dots., kand. tekhn. nauk; MESSERMAN, S.M., kand. tekhn. nauk, dots.; KOKHAN, N.D., inzh.; KUVAYEVA, A.P., dots., kand. tekhn. nauk; SOKOLOV, M.M., dots., kand. tekhn. nauk; LASHKOV, F.P., dots., kand. tekhn. nauk; LAZIN, A.I., inzh.; YUDIN, F.I., inzh.; LIVSHITS, A.L., kand. tekhn. nauk; METEL'TSIN, P.G., inzh.; NEKRASOVA, N.M., dots., kand. tekhn. nauk; OL'SHANSKIY, N.A., dots., kand. tekhn. nauk; POLEVAYA, I.V., dots., kand. tekhn. nauk; POLEVOY, V.A., dots., kand. tekhn. nauk [deceased]; RAZEVIK, D.V., prof., doktor tekhn. nauk; RAKOVICH, I.I., inzh.; SOLDATKINA, L.A., dots., kand. tekhn. nauk; TREMBACH, V.V., dots., kand. tekhn. nauk; FEDOROV, A.A., prof., kand. tekhn. nauk; FINGER, L.M., inzh.; CHILIKIN, M.G., prof., doktor tekhn. nauk, glav. red.; ANTIK, I.V., inzh., red. GOLOVAN, A.T., prof., red.; PETROV, G.N., prof., red.; FEDOSEYEV, A.M., prof., red.

(Continued on next card)

ALEKSEYEVA, G.Ye.--- (continued). Card 2.

[Electrical engineering manual] Elektrotekhnicheskii
spravochnik. Pod obshchei red. A.T. Golovana i dr. Moskva,
Energia. Vol.2. 1964. 758 p. (MIRA 17:12)

1. ~~Moscow~~. Energeticheskii institut. 2. Moskovskiy energe-
ticheskii institut (for Golovan, Grudinskiy, Petrov,
Fedoseyev, Chilikin, Venikov). 3. Chlen-korrespondent AN
SSR (for Petrov).

POLEVA, M. I.

" O Rasstroystvakh Pamyati Pri Zakrytykh Travmakh Golovnogo Mozga v Mirnoye i Voennoye Vremya." p. 142.

"Sravnitel'naya Kharakteristika Klinicheskikh, Proizvodstvennykh i Bytovykh Pokazateley v Otsenke Sostoyaniy, Razvivayushchikhsya Posle Travmy Golovnogo Mozga." p. 156.

Psikhiatricheskaya klinika i problemy patologii vysshey nervnoy deyatel'nosti. Sbornik trudov Kafedry psikhiatrii., Leningrad. 1957. vol. 2.

resp. ed. I. F. SLUCHEVSKIY.

Chair of Psychiatry.

Leningrad State Inst. Advanced Training of Physicians.

POLEVA, N. I.

"The First Work in the USSR Dealing with the K/Ca Method of Age Determination."

report presented at the 7th Session of the Commission for Determination of the Absolute Age of Geological Formations, at the Dept. Geological-Geographical Sciences, AS USSR, Moscow, 8-12 May 1958.

PROBLEMS OF THE THEORY OF DISPERSION IN-
TERRELATIONSHIPS N. N. Bogolubov, D. V.
Medvedev, M. K. Polovnikov, and D. V. Sviridov. Inst.
Institute of Nuclear Research, Laboratory of Theoret-
ical Physics, Mar. 1967, 1967, 104 p. Russian.
The field theory of the interaction of pions and
nucleons is considered. The dispersion relations
for the matrix elements of the S-matrix are
derived. These relations are not associated with any degree of expansion
but are based on the analysis of the analytical properties
of matrix elements for the total S-matrix as a unit. The
local properties of the S-matrix in local field theory
the spectral representation of the pion Green's func-
tion, the spectral representation of the fermion Green's
function, the amplitude pion scattering in nucleons, the
problems of analytical expansion of amplitude of scat-
tering at $p \neq 0$, and the equations of dispersion for pion
scattering in nucleons are discussed. (R.V.J.)

POLEVAYA, A. I.

A. B. RONOY, CR, 1945, 49, 662-664

KOROTKOV, A.I., inzh.; POLEVAYA, A.M., inzh.; SHKLENNIK, Ya.I., kand.
tekhn. nauk, retsenzent; CZEROV, V.A., kand. tekhn.nauk, red.;
OSIPOVA, L.A., red. izd-va; EL'KIND, V.D., tekhn. red.

[Casting in shell molds] Lit'e v obolochkovye formy. Moskva,
1963. 299 p. (MIRA 16:7)
(Shell molding (Founding))

KOROTKOV, A. I., inzh.; POLEVAYA, A. M., inzh.; SHKLENNIK, Ya. I., kand.
tekhn. nauk, ~~retsensent~~; OZEROV, V. A., kand., tekhn. nauk,
red.; OSIPOVA, L. A., red. izd-va; EL'KIND, V. D., tekhn. red.

[Casting into shell molds] Lit'e v obolochkovye formy. Mo-
skva, Mashgiz, 1963. 299 p. (MIRA 16:9)
(Shell molding)

KOROTKOV, A.I., inzh.; POLEVAYA, A.M., inzh.; SHKLENNIK, Ya.I.,
kand. tekhn. nauk, retsenzent; OZEROV, V.A., kand. tekhn.
nauk, red.; OSIPOVA, L.A., red.izd-va; EL'KIND, V.D.,
tekhn. red.

[Casting in shell molds] Lit'e v obolochkovye formy. Mo-
skva, Mashgiz, 1963. 299 p. (MIRA 16:8)
(Shell molding (Founding))

PHASE I BOOK EXPLOITATION

SOV/6513

Korotkov, A. I., and A. M. Plevaya.

Lit'ye v obolochkovyye formy (Shell-Mold Casting) Moscow, Mashgiz, 1963.
299 p. (Series: Inzhenernyye monografii po liteynomu proizvodstvu)
4300 copies printed.

Reviewers: A V. Baranov and Ya. I. Shklennik, Candidate of Technical Sciences;
Ed.: V. A. Ozerov, Candidate of Technical Sciences; Ed. of Publishing House:
L. A. Osipova; Tech. Ed.: V. D. El'kind; Managing Ed. for Literature on:
Hot-Working of Metals: L. A. Osipov, Engineer.

PURPOSE: This book is intended for engineering personnel of foundry. It may
also be useful to students of machine-building schools of higher technical
education.

COVERAGE: The book describes the process of shell-mold casting and special
features of making shell molds with thermosetting resins as bonding material.

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Shell-Mold Casting

SOV/6513

Problems of mechanization and automation of technological processes, organization of shops specializing in shell-mold casting, economic aspects of production, and safety precautions in connection with the use of thermosetting resins are also discussed. The book is the first Soviet attempt to summarize and systematize results of extensive work in research and design by the authors and by other research workers on the subject of shell-mold casting. No personalities are mentioned. There are 77 references: 67 Soviet, 9 English, and 1 German.

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POLEVAYA, A. L.

185T45

USSR/Engineering - Foundry, Equipment Jan 51

"Vacuum Pouring by the Method of Selective Suction of Gases," G. D. Vasil'yev, A. M. Polevaya, Engineers, Orgavtoprom

"Litsey Proiz" No 1, pp 30, 31

Method is used at Gor'kiy Automobile Plant for casting GAZ-51 cyl blocks. It considerably decreases rejection of castings (sometimes by 30%) and permits use of molding and core mixts of increased strength. Installation basically consists of 4 flexible steel hoses attached to

185T45

USSR/Engineering - Foundry, Equipment Jan 51
(Contd)

collector, which is connected to suction pump, and vacuum chamber to be installed on mold. Describes procedure and equipment.

185T45

LIVANOVA, O.V., kand. tekhn. nauk; LINDORF, L.S., kand. tekhn. nauk;
OKOLOVICH, M.N., kand. tekhn. nauk; POLEVAYA, I.V., kand. tekhn.
nauk; POMOGAYEVA, S.G.

Effect of asynchronous motors on short-circuit currents in a system
supplying self-needs of power plants. Elek. sta. 36 no.11:48-54 N
'65. (MIRA 18:10)

VERBA, M.I., kandidat tekhnicheskikh nauk; POLEVAYA, I.V., inzhener.

Anniversary scientific and technical session of the Moscow
Power Engineering Institute. Prom.energ.11 no.2:35-38 7
'56. (MIRA 9:6)
(Power engineering--Congresses)

LITKENS, I.V., kand.tekhn.nauk; POLEVAYA, I.V., aspirant

Studying the local-load effect of the transmitting station on the static stability of long-distance electric power transmission. Trudy
MRI no.26:119-126 '57. (MIRA 11:9)

(Electric power distribution)

POLEVAYA, I. V., Candidate Tech Sci (diss) -- "Computation and effect of a load on the static stability of an automatically regulated system". Moscow, 1959. 12 pp (Min Higher Educ USSR, Moscow Order of Lenin Power Engineering Inst), 150 copies (KL, No 26, 1959, 126)

POLEVAYA, I.V., kand.tekhn.nauk

Conference on science and technology held at the Moscow Power
Engineering Institute. Izv.vys.ucheb.zav.;energ. 3 no.10:115-118
0 '60. (MIRA 13:11)

(Electric power production)

AKIMENKO, I.S.; MERKIN, V.G.; POLEVAYA, K.G.; SMOTRICH, B.A.

Some experiences of the Lipetsk Distillery in the operation of the
unit for the heat treatment of alcohol. Fern. i spirt.prom. 31
no.5:27-28 '65.

(MIRA 18:8)

PHASE I BOOK EXPLOITATION

SOV/6513

Korotkov, A. I., and A. M. Polevaya.

Lit'ye v obolochkovyye formy (Shell-Mold Casting) Moscow, Mashgiz, 1963.
299 p. (Series: Inzhenernyye monografii po liteynomu proizvodstvu)
4300 copies printed.

Reviewers: A V. Baranov and Ya. I. Shklennik, Candidate of Technical Sciences;
Ed.: V. A. Ozerov, Candidate of Technical Sciences; Ed. of Publishing House:
L. A. Osipova; Tech. Ed.: V. D. El'kind; Managing Ed. for Literature on
Hot-Working of Metals: L. A. Osipov, Engineer.

PURPOSE: This book is intended for engineering personnel of foundry. It may
also be useful to students of machine-building schools of higher technical
education.

COVERAGE: The book describes the process of shell-mold casting and special
features of making shell molds with thermosetting resins as bonding material.

Card ^{1/2}~~1/2~~

Shell-Mold Casting

SOV/6513

Problems of mechanization and automation of technological processes, organization of shops specializing in shell-mold casting, economic aspects of production, and safety precautions in connection with the use of thermosetting resins are also discussed. The book is the first Soviet attempt to summarize and systematize results of extensive work in research and design by the authors and by other research workers on the subject of shell-mold casting. No personalities are mentioned. There are 77 references: 67 Soviet, 9 English, and 1 German.

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GRYAZNOV, V.P.; BOGDANOV, Yu.P.; RZHECHITSKAYA, G.V.; TERNOVSKIY, N.S.;
GRACHEV, B.K. [deceased] MERKIN, V.G.; POLEVAYA, K.G.;
AKIMENKO, I.S.

Double-flow beer rectification apparatus. Spirt. prom. 28
no.7:35-37 '62. (MIRA 17:2)

1. Tsentral'nyy nauchno-issledovatel'skiy institut spirtovoy i
likero-vodochnoy promyshlennosti (for Gryaznov, Bogdanov,
Rzhechitskaya, Ternovskiy). 2. Lipetskiy spirtovoy zavod (for
Grachev, Merkin, Polevaya, Akimenko).

BOGDANOVA, K.G.; POLEVAYA, N.I.; SHCHIGLEV, N.D.

Absolute age of granitoids in the southwestern Altai. Inform.sbor.
VSEGEI no.54:83-94 '62.
(MIRA 17:1)

POLEVAYA, N. I.

"On the Geochemistry of the Carboniferous and Permian
Deposits of the Chistopol Region of Tataria," Dok. Ak. 49,
No. 9, 1945. Radium Inst. Acad. Sci., -c1945-.

~~Polevaya, N. I.~~ POLEVAYA N. I.

Determination of small amounts of magnesium with radioactive phosphorus. N. I. Polevaya, N. N. Chernov, and S. I. Mikhlin. *Vysokoe Nauch. Issledovanie. Geol. Inst., Information. Sbornik 1955, No. 1, 119-23.*—The detn. was conducted in a buffer soln. of 5 parts 2N NH_4Cl and 2 parts 2.5% NH_3 by titration with a disodium phosphate soln. (I) contg. 0.2 mg./ml. of radioactive P^{32} (half-life 14.3 days, β -radiation 0.76-1.7 m.e.v.) the end point being detd. by the change in the radioactivity of the soln. The sensitivity was 0.5-2.5 mg., accuracy $\pm 1\%$. In a modified method Mg was pptd. with a 25% excess of I, and the radioactivity of the dissolved ppt. measured. Thus Mg was pptd. with a known amt. of I (contg. 4 mg. of P^{32}).

and having a total radioactivity B), filtered, washed with 2.5% NH_3 , dissolved in HCl , and the radioactivity of dissolved ppt. detd.. The amt. of Mg was calcd.: $\text{Mg mg.} = (0.785 \text{ Ab})/B$, where 0.785 is the ratio of the at. wt. of Mg to the at. wt. of P. With the modified method 0.07 mg. of Mg can be detd. with an accuracy of 3-10%. Cf. C.A. 35, 5921.

T. Durhak

61
1-4E2C
1.2 ml.
1.9 ml.

MT pmh

POLEVAVA, N. I.

27

Determination of small amounts of rubidium in the presence of potassium. N. I. Polevaya and S. L. Mirkin. *Vsesoyuz. Nauch.-Issledovatel. Geol. Inst. Informatsion. Sbornik* 1955, No. 1, 123-6. To the aliquot part of the mixt. of Rb and K, $\text{Na}_2[\text{Co}(\text{NO}_2)_6]$ was added, and the total amt. of the elements was pptd. The ppt. was filtered after 15 hrs., washed with a soln. of 10 ml. EtOH and 1 ml. AcOH in 100 ml. H_2O , dried at 100° , and the wt. of the ppt. detd. (A). To the other aliquot part a known amt. of the radioactive Rb^{86} (half-life 19.5 days, β -radiation 1.82 m.e.v., γ -radiation 1.03 m.e.v.) was added, the elements were partially pptd., filtered, washed, dried, and the wt. of the ppt. detd. (a). The ppt. was dissolved in 5% HCl, and the radioactivity (1) of the soln. measured. The same was done with the 3rd aliquot part, to which the radioactive K^{42} (half-life 12.4 hrs., β -radiation 3.53 m.e.v., γ -radiation 1.51 m.e.v.) was added (the wt. of the ppt. was b). The ratio (a) to the radioactivity of the initial soln. before pptn. was the coeff. of pptn. of Rb (a) and K (b), resp. The distribution of Rb and K in partially pptd. residues was in the same ratio as the coeffs. of pptn. The amts. of $\text{Rb}_2\text{Na}[\text{Co}(\text{NO}_2)_6] \cdot \text{H}_2\text{O}$ (x), and $\text{K}_2\text{Na}[\text{Co}(\text{NO}_2)_6] \cdot \text{H}_2\text{O}$ (y) were calcd. from the equations: $A = x + y$, and $(a(a + b)/2a)(x + \text{Rb}_2) + (b(b + a)/2b)(y + \text{K}_2) = (a + b)/2$, where Rb, and K, were equly. mts. of added radioactive Rb and K as cobaltinitrites. This method gave satisfactory results at ratios $\text{K}:\text{Rb} = 109:1$ and lower, the accuracy was within 5-6%.

1-5/1/55
12/4/55

POLEVAYA, N.I.; MURINA, G.A.; CHERNOVA, N.N.

Possibility of determining the absolute age of effusive rocks.
Dokl.AN SSSR 105 no.3:523-525 N '55. (MLBA 9:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.
Predstavleno akademikom D.I. Shcherbakovym.
(Rocks, Igneous) (Argon--Isotopes)

Полевая, Н.И.
POLEVAYA, N.I.; MIKHAYLOVA, V.A.

Rapid method for a quantitative determination of potassium in
salt-bearing sedimentary rocks. Mat. VSEGEI Litol. no.1:130-137
'56. (MIRA 11:2)

(Rocks, Sedimentary--Analysis)
(Potassium)

POLEVAYA, N.I.
IVANOVA, T.N.; POLEVAYA, N.I.

Age of intrusions of the Tannu-Ola complex in the Tuva Autonomous
Province. Inform.sbor.VSEGEI no.3:65-68 '56. (MLRA 10:1)
(Tuva Autonomous Province--Rocks, Igneous)

POLEVAYA, N. I.

~~5~~ Possible errors in the absolute age determination of natural rocks by the argon method. N. I. Poleyova, G. A. Murina, and V. D. Sprutisov. *Vostochny Nauch. Issle-*

dozhd. Geol. Inst., Informatsion. Sbornik 1986, No. 3, 109-110. The errors include the occasional, systematic ones in the detn. of the K-decay const. and those resulting from migration of A and K. Pauline Shapiro

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for
MT

POLEVAYA, N.I.

IVANOVA, T.N.; POLEVAYA, N.I.

Age of intrusive rocks of the Syntkol'skiy complex in Tuva. Inform.
sbor. VSEGEI no.4:61-66 '56. (MLRA 10:4)
(Tuva Autonomous Province--Rocks, Igneous)

POLEVAYA, N.I.

✓ Absolute age of some magmatic rocks of the U.S.S.R. according to data of the argon method. N. I. Polevaya (All-Union Sci. Research Geol. Inst., Leningrad). *Izvestiya* 1956, No. 5, 43-53. — A report of the study of Mesozoic and Paleozoic magmatic rocks of the southern coastal area; Caledonide intrusion of the Tura S.S.R., and the Precambrian granitoids of the Ukraine. More than 300 detas. of abs. age of the intrusive and effusive rocks of different compn. and age were made. The A method was used. The A was liberated from the rock during its fusion, freed in an app. for gas microanalysis of all active gases and He, and measured volumetrically by means of a McLeod manometer. Accidental error of the expt. was eltd. at 2-5%, and only in the most unfavorable cases (e.g., young rocks with low K content) did it reach 10%. Systematic error of the A method caused by inaccuracy of the decompn. const. is apparently small. The chief source of error was in the migration of K and A from the minerals under the influence of different superimposed processes widely prevalent in nature. Such errors can be detd. only with special app. and by much statistical data which P. also attempted to obtain in the present work. The K content in the samples was detd. by the dipicrylamine method. — Gladys S. MacIntyre

4E4-3-1

4E

for 10/6

POLEVAYA N.I.

STARIK, I.Ye.; POLEVAYA, N.I.

Leaching out ThX and RdTh from minerals. Trudy Radiev. inst. AN
SSSR 6:104-118 '57. (MIRA 11:2)
(Thorium compounds) (Leaching)

POLEVAYA, N. I.

Polevaya, N. I., N. W. Chernova - The Age of Granitoids of the Trans-Baykal Determined by Means of the Argon Method.

The Sixth Session of the Committee for Determining the Absolute Age of Geologic Formations at the Department of Geologic-Geographical Sciences (OGGN) of the USSR Academy of Sciences at Sverdlovsk in May 1957

POLEVAYA, N. I.

Polevaya, N. I. - Geochronology of the Far East.

The Sixth Session of the Committee for Determining the Absolute Age of
Geologic Formations at the Department of Geologic-Geographical Sciences
(OGGN) of the USSR Academy of Sciences at Sverdlovsk in May 1957

POLEVAYA, N. I.,

Polevaya, N. I., Murina, G. A. - Geologic and Absolute Age of Granitoids of the Ukraine.

The Sixth Session of the Committee for Determining the Absolute Age of Geologic Formations at the Department of Geologic-Geographical Sciences (OGGN) of the USSR Academy of Sciences at Sverdlovsk in May 1957.

Izv. Ak Nauk SSSR, Ser. Geol., No. 1, 1958, p. 115-117 author Pokarskaya, T. B.

AUTHORS: Kazakov, G. A., Polevaya, N. I., 307/7-56-4-2/13

TITLE: Some Preliminary Results From the Compilation of a Post-Precambrian Scale of the Absolute Geochronology According to Glauconites (Nekotoryye predvaritel'nyye dannyye po razrabotke posledokembriyskoy shkaly absolyutnoy geokhronologii po glaukonitam)

PERIODICAL: Geokhimiya, 1958, Nr 4, pp. 296 - 306 (USSR)

ABSTRACT: The paper is divided into four sections:

- 1) Short mineralogical and lithological characterisation of glauconites.
- 2) Method of separation of glauconite from the glauconite-containing sedimentary rocks. The operations carried out are compiled in a table in a clearly arranged manner.
- 3) Determination of the content of potassium and argon in glauconites. The emission of argon was investigated; the main amount escapes approximately at 300°, the remainder in the dehydration (500 - 650°). A table gives the results obtained by the analysis and the age computed from

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SOV/ 7-58-4-2/13

Some Preliminary Results From the Compilation of a Post-Precambrian Scale
of the Absolute Geochronology According to Glauconites

them for the 22 investigated samples from the European
part of the Soviet Union and Czechoslovakia.

- 4) The results of the argon method for the dated glauconites.
All samples are accurately dated biostratigraphically.
Geographical, stratigraphic, and paleontological data for
the individual samples are compiled. The time scale of
the geological ages which results herefrom is compared
with the results obtained by other authors and with the
scale according to Marble (Marbl). The time data agree
well with those of Marble, except those for the Prede-
vonian times which are too high.

Finally the further objects of research are discussed which
result from the hitherto achieved results. The lithological-
-mineralogical working of the material was carried out in
the Laboratory of Geochemistry of Sedimentary Rocks (Labora-
toriya geokhimii osadochnykh porod, GEOKhI AN SSSR), the
age determinations in the Laboratory of Absolute Age Determi-
nation (Laboratoriya absolyutnogo vozrasta, VSEGEI). There
are 2 figures, 2 tables, and 24 references, 16 of which

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SOV 7-58-4-2/13

Some Preliminary Results From the Compilation of a Post-Precambrian Scale
of the Absolute Geochronology According to Glauconites

are Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut,
Leningrad i Institut geokhimii i analiticheskoy khimii im.
V. I. Vernadskogo AN SSSR, Moskva
(Leningrad All-Union Scientific Research Institute of Geo-
logy, and Moscow Institute of Geochemistry and Analytical
Chemistry imeni V. I. Vernadskiy, AS USSR)

SUBMITTED: February 19, 1958

1. Geological time--Determination 2. Iron-potassium silicates
--Geology 3. Iron-potassium silicates--Analysis 4. Geochemistry
--USSR

Card 3/3

3(0)

AUTHORS:

~~Polevaya, N. I.~~, Titov, N. Ye.,
Belyayev, V. S., Sprintsson, V. D.

SOV/7-58-8-2/8

TITLE:

Experimenting the Calcium Method for the Determination of
the Absolute Age of Sylvites (Opyt primeneniya kal'tsiyevogo
metoda dlya opredeleniya absolyutnogo vozrasta sil'vinov)

PERIODICAL:

Geokhimiya, 1958, Nr 8, pp 718 - 726 (USSR)

ABSTRACT:

The possibility of employing the calcium method for age
determinations was investigated in this paper. Two samples
of white sylvite from stratum "B", Verkhnekamskoye deposit,
Berezniki, and one sample from Polovininskaya skvazhina
(Irkutskiy amfiteatr) were examined. Calcium was separated
from potassium by ion exchangers. For this purpose a new
method was developed by the authors and controlled by means
of the radioactive isotope Ca^{45} . An apparatus of the type
B was used for the measurements. The separated calcium
was determined by isotope dilution with Ca^{42} by the aid
of the mass spectrometer MS-2m. The $\text{Ca}^{44}/\text{Ca}^{42}$ - isotope
ratio was determined again (Table 4). The resulting age data
are given in table 2. For a comparison, the age was also

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Experimenting the Calcium Method for the Determination of SOV/7-58-8-2/8
the Absolute Age of Sylvites

determined by the K/Ar-method. The potassium content was determined by the dipicryl amine method. Argon was measured volumetrically. The isotope analysis of the separated argon was carried through by A. V. Mattes with the mass spectrometer MS-2m. The results are given in table 5, and they are in good agreement with the results of the calcium method provided the investigated sample was not recrystallized (Table 6). The authors thank A. N. Murin and L. M. Krizhanskiy for advice. There are 2 figures, 6 tables, and 14 references, 6 of which are Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut i Radiyevyy institut AN SSSR, Leningrad (All-Union Scientific Research Institute of Geology and Radium Institute AS USSR, Leningrad)

SUBMITTED: June 23, 1958

Card 2/2

ISKANDEROVA, A.D. [translator]; MURINA, G.A. [translator]; MIRKINA, S.L. [translator]; POLEVAYA, N.I. [translator], red.; CHERNOVA, N.N. [translator]; SHUKOLYUKOV, Yu.A. [translator]; KOLOSKOVA, M.I., red.izd-va; GODOVIKOVA, L.A., red.izd-va; AVERKIYEVA, T.A., tekhn.red.

[Radiological methods for absolute age determination; articles translated from the English and the German] Radiologicheskie metody opredeleniia absolutnogo geologicheskogo vremeni; sbornik statei. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i okhrane neдр, 1959. 181 p. (MIRA 13:10)
(Geological time)

POLEVAYA, N.I.

Eighth session of the committee on the determination of the absolute
chronology of geological formations. Sov.geol. 2 no.11:144-153
N '59. (MIRA 13:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut.
(Geological time)

POLEVAYA, N.I.; KAZAKOV, G.A.; MURINA, G.A.

Glaucanites as indicators of the geological time. *Geokhimiia*
no.1:3-10 '60. (MIRA 13:6)

1. All-Union Scientific Research Institute of Geology,
Leningrad, and V.I.Vernadskiy Institute of Geochemistry and
Analytical Chemistry, Academy of Sciences, U.S.S.R., Moscow.
(Glaucanite) (Geological time)

LI PU [Li P'u]; CHEN YU-CHI [Ch'eng Yu-ch'ih]; TU GON-CHZHI;
TUGARINOV, A.I.; ZYKOV, S.I.; STUPNIKOVA, N.I.; POLEVAYA,
N.I.; BRANDT, S.B.

Absolute age of rocks in the Chinese People's Republic.
Geokhimiia no.7:570-585 '60. (MIRA 13:11)
(China--Rocks--Age)

KRUGLOV, S.S.; POLEVAYA, N.I.

Absolute age of exotic granites in Soviet Transcarpathia. Inform.
sbor. VSEGEI no.54:107-115 '62. (MIRA 17:1)

POLEVAYA, N.I.; CHEN' YUY-VEY [Ch'ên Yü-wei]; TITOV, N.Ye.; PANIELEYEV, A.I.

Use of the calcium method for the determination of the age of micas
and glauconites. Inform.sbor. VSEGEI no.54:53-61 '62. (MIRA 17:1)

POLEVAYA, N.I.; PANTELEYEV, A.I.

Possibility of using the lead-isotope method for age determination
of glauconite. Inform.sbor. VSEGEI no.54:31-36 '62. (MIRA 17:1)

BYKOVSKAYA, Ye.V.; POLEVAYA, N.I.; PODGORNAYA, N.S.

Absolute chronology of Mesozoic and Cenozoic volcanic and
intrusive formations in the Olga-Tetyukhe area. Sov.geol.
3 no.5:107-114 My '60. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy
institut.
(Tetyukhe region (Maritime Territory)—Geology, Stratigraphic)

POLEVAYA, N. I., MURINA, G. A., KAZAKOV, G. A.

Using glauconites for determining the absolute age of sedimentary rocks. Sov. geol. 3 no.7:103-115 J1 '60.

(MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut.

(Glauconite) (Rocks, Sedimentary) (Geological time)

POLEVAYA, N.I.; IZOKH, E.P.

Absolute age of upper Cretaceous and Tertiary effusive and intrusive rocks in the northern Sikhote-Alin' Range and Myao-Chan Range.
Izv. AN SSSR. Ser. geol. 25 no.7:46-50 J1 '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut
Ministerstva geologii i okhrany neдр SSSR, Leningrad.
(Soviet Far East—Rocks, Igneous) (Geological time)

BYKOVSKAYA, Ye.V.; POLEVAYA, N.I.

Absolute age of volcanic formations in the Badzhal and Burein Ranges.
Izv. AN SSSR. Ser. geol. 25 no.10:86-91 0 '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut,
Leningrad.

(Badzhal Range--Volcanoes)
(Burein Range--Volcanoes)

POLEVAYA, N.I.; MURINA, G.A.; KAZAKOV, G.A.

Absolute age of lower Paleozoic and late Pre-Cambrian
glauconites in the European part of the U.S.S.R. Dokl.
AN SSSR 133 no.6:1425-1427 Ag '60. (MIRA 13:8)

1. Predstavleno akad. D.I.Shcherbakovym.
(Glauconite) (Geology, Stratigraphic)

POLEVAYA, N.I.

Absolute geochronological scale. Dokl. AN SSSR 134 no.5:1173-1176
O '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut.
Predstavleno akademikom A.A.Polkanovym.
(Geological time)

POLEVAYA, N.I.; KAZAKOV, G.A.

Recent data on the geochronology of the late Pre-Cambrian. Dokl.
AN SSSR 135 no.1:162-165 N°60. (MIRA 13:11)

1. Predstavleno akademikom A.P.Vinogradovym.
(Geology, Stratigraphic) (Glauconite)

S/169/62/000/001/004/083
D228/D302

AUTHORS: Polevaya, N. I. and Kazakov, G. A.

TITLE: The age subdivision and correlation of ancient nema deposits with respect to the A⁴⁰/K⁴⁰ ratio in glauconites

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1962, 8, abstract 1A56 (Tr. Labor. geol. dokembriya, AN SSSR, no. 12, 1961, 103-122)

TEXT: On the grounds of determination of the absolute age of about 50 specimens of glauconite from the nema deposits of the Russian and Siberian Platforms of the Urals the authors demonstrate that the formation of the Sinian deposits (late pre-Cambrian) lasted for approximately 600 million years. [Abstractor's note: Complete translation.] ✓

Card 1/1

POLEVAYA, N.I.

Absolute chronologic scale based on glauconites. Trudy Lab.geol.
dokem. no.12:123-132 '61. (MIRA 14:11)
(Geological time) (Glauconite)

POLEVAYA, N.I.; PUTINTSEV, V.K.; SPRINTSSON, V.D.

Absolute age of certain igneous and metamorphic rocks in North
Korea. Sov.geol. 4 no.6:119-124 Je '61. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut.
(Korea, North—Geology, Stratigraphic)

POLOVINKINA, Yu. I-.; POLEVAYA, N.I.

Main geochronologic stages in the history of the formation of
the Ukrainian Crystalline Shield. Dokl. AN SSSR 159 no.4:
811-813 D '64 (MIRA 18:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut .
Predstavleno akademikom D.V.Nalivkinym.

YANOV, E.N.; PREDTECHENSKIY, N.N.; POLEVAYA, N.I.; MURINA, G.A.;
MIRKINA, S.L.; ISKANDEROVA, A.D.; YEFIMOV, K.P.;
CHEN' YUY-VEY [Ch'ên Yü-wei]; TITOV, N.Ye.; PANTELEYEV, A.I.;
KOCHEGURA, V.V.; GIRFANOVA, O.M.; ZUYEV, A.V.; NIKOL'SKIY, Yu.I.;
BURE, G.N.

Problems of the methods of geological investigations. [Trudy]
VSEGEI 92:91-98 '63. (MIRA 17:4)

BOBROV, V.A.; POLEVAYA, N.I.; SPRINTSSON, V.D.; TIKHOMIROV, N.I.

Age groups of intrusive rocks in Transbaikalia and eastern Mongolia
based on geological data and the results of absolute age determination.
Sov.geol. 6 no.3:94-112 Mr '63. (MIRA 16:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut
i Geologorazvedochnoye upravleniye pri Sovete Ministrov Mongol'skoy
Narodnoy Respubliki.
(Transbaikalia--Geological time) (Mongolia--Geological time)

IVANOVA, T.N.; POLEVAYA, N.I.; VLADIMIRSKIY, G.M.; DOROFYEVA, E.F.;
ORLOV, D.M.; STANKEVICH, Ye.K.; UNKSOV, V.A.

Absolute age of some igneous and metamorphic rocks in the central
part of the Altai-Sayan area. Trudy VSEGEI 58:213-225 '61.

(MIRA 15:5)

(Altai Mountains--Geology, Stratigraphic)

(Sayan Mountains--Geology, Stratigraphic)

ALEKSEYEV, R.I.; POLEVAYA, O.N.

Separation of substances by the alternate extraction method
(isolation of Mo^{99} from a mixture of uranium fission fragments).

Radiokhimiya 3 no.4:458-465 '61.

(MIRA 14:7)

(Molybdenum--Isotopes)

(Fission products)

BARANOVA, N.M.; GEVORK'YAN, V.Kh.; POLEVAYA, P.A. [Polieva, P.O.]

Conditions of placer formation in the northern Azov region. Dop.
AN URSR no.4:508-512 '60. (MIRA 13:7)

1. Institut geologicheskikh nauk AN USSR. Predstavleno akademikom
AN USSR V.G. Bondarchukom [V.H. Bondarchukom].
(Azov region--Mineralogy)

ACC NR: AP6036719

SOURCE CODE: UR/0119/66/000/011/0025/0027

AUTHOR: Varlamov, G. K. (Engineer); Makarov, A. I. (Engineer);
Nikolayev, S. A. (Engineer); Polevaya, Zh. A. (Engineer); Shvartsman, L. D.
(Engineer)

ORG: none

TITLE: Investigating reliability of USEPPA discrete elements

SOURCE: Priborostroyeniye, no. 11, 1966, 25-27

TOPIC TAGS: pneumatic control element, pneumatic control system / USEPPA
pneumatic control system

ABSTRACT: The preliminary results are reported of an investigation of
reliability of USEPPA pneumatic-control elements fabricated by the Ust'-
Kamenogorsk Instrument Plant. Lack of time and continuous modernization of

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UDC: 62.525 "401.7"

ACC NR: AP6036719

elements did not permit conducting a thorough investigation. Tests in "yes-no" circuits were conducted at frequencies up to 2.5 cps (some up to 10 cps), at 25C and 40-70% humidity; the elements were regarded as nonrepairable equipment; supply pressure, 1-4 kg/cm²; twelve different types of elements were tested. The values of the mean time to failure are tabulated. It was found that:

(1) Relay-type elements have a least reliability in the 2.5-5-cps range; (2) The mean time to failure for diaphragm- and shutter-type elements has the same order of magnitude and is practically independent of their circuits; (3) The use of a supply pressure of 1 kg/cm², instead of 1.4 kg/cm², increases the reliability of the elements tenfold; (4) Generally, the failures were caused by wear, and their distribution seems to obey the normal law. Details of tests and hints for modernization are discussed. Orig. art. has: 4 figures, 4 formulas, and 1 table.

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 002

Card 2/2

GOLDAYEV, I.P., kand.tekhn.nauk; POLEVICHEK, Ye.P., kand.tekhn.nauk;
POPOV, N.N., kand.tekhn.nauk; SEROGODSKIY, A.V., inzh.

Double cascade air-operated flame drill for rock drilling without
the use of oxygen. Shakht.stroi. 6 no.11:4-6 N '62. (MIRA 15:12)

1. Khar'kovskiy aviatsionnyy institut.
(Rock drills)

GOLDAYEV, I.P.; POLEVICHEK, Ya.P.; POPOV, N.N.; PERSHIN, A.P.

Jet piercing of hard rocks. Biul. tekhn.-ekon. inform. no. 4:3-4 '58.
(Rock drills) (MIRA 11:5)

GOLDAYEV, I.P.; POLEVICHEK, Ye.P.; POPOV, N.N.; MOTORIENKO, A.P.; SEROGODSKIY,

Thermal drilling of frozen grounds. Biul. tekhn. ekon. inform.
no.9:9-11 '59. (MIRA 13:3)
(Boring--Cold weather operation)

GOLDAYEV, I.P., kand. tekhn. nauk; POLEVICHEK, Ye.P., kand. tekhn. nauk;
POPOV, N.N., kand. tekhn. nauk; FURSOV, A.P., inzh.

Air gas-jet thermal hammer for breaking rocks. Stroi. i dor.
mash. 10 no.6:19-21 Je '65. (MIRA 18:8)

POLEVICHEK, Ye. P., kand. tekhn. nauk; SHKARINOV, L.N., kand. med. nauk

Pneumatic thermal cutter, an efficient tool for working natural hard stone. Stroi. mat. 11 no. 12:32-33 D '65. (MIRA 18:12)

1. Khar'kovskiy aviatsionnyy institut (for Polevichek).
2. Institut gigiyeny truda i professional'nykh zabolevaniy AMN SSSR (for Shkarinov).

GOLDAYEV, I.P., kand.tekhn.nauk; POLEVICHENK, Ye.P., inzh.; POPOV, N.N.,
inzh.; MOTORNENKO, A.P., inzh.; SEROGODSKIY, A.V., inzh.

Using reaction burners in working frozen ground. Mekh.stroi.
16 no.11:21-23 N '59. (MIRA 13:5)
(Earthmoving machinery--Cold weather operation)

POLEVICHEN, Ye. P., Cand Tech Sci -- (diss) "Research into the combustion chamber for thermal boring of strong mining rock." Khar'kov, 1960. 19 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Dnepropetrovsk Order of Labor Red Banner Mining Institute im Artem); 200 copies; free; bibliography at end of text; (KL, 22-60, 138)

GOLDAEV, Ivan Prokhorovich; POLEVICHEK, Yevgeniy Pavlovich; POPOV, Nikolay Nikolayevich; MOTORNENKO, Aleksey Petrovich; SEROGODSKIY, Al'bert Viktorovich; YAKHONTOV, A.D., otv.red.; SMOLDYREV, A.Ye., red.izd-va; LOMILINA, L.N., tekhn.red.; SEKLIAR, S.Ya., tekhn.red.

[Using thermal methods in working frozen ground] Razrabotka
merzlykh gruntov termicheskim sposobom. Moskva, Gos.nauchno-tekhn.
izd-vo lit-ry po gornomu delu, 1960. 46 p. (MIRA 13:4)
(Frozen ground) (Boring)

FRISHMAN, M. A., doktor tekhn.nauk, prof.; POLEVICHENKO, A. G., inzh.

Evaluating the dynamic action of the underframes of the rolling stock on the track. Vest TSNII MPS 23 no. 3:3-8 '64. (MIRA 17:5)

1. Dnepropetrovskiy institut inzhenerov zheleznodorozhnogo transporta.

POLEVICHENKO, A.G., inzh. (Dnepropetrovsk)

Results of a study. Put' i put. khoz. 7 no.11:34-35 '63.
(MIRA 16:12)

POLEVITSHAYA, N. K.

"Reaction of Blood Apparatus in Children with
Septic and Toxic Conditions," Vop. Ped. i Okhran.
Mater. i Det., 17, No. 3, 1949. Chair Faculty
Pediatrics, Leningrad State Ped. Med. Inst.,
-cl949-.

POLEVITSKAYA, N. K.

21068 Polevitskaya, N.K. Reaktivnost' Krovetvornogo Apparata detey pri septicheskikh i toksicheskikh sostoyaniyakh. Voprosy pediatrii i okhrany materinstva i detstva, 1949, vyp. 3, s. 17-21.

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

POLEVITSKIY, B.

Sovremennoe sostoianie tekhniki dvigatelei vnutrenniago goreniiia.
Petrograd, Izd. O-va Inzhener-Elektrikov, 1916. 66 p. illus.

Present condition of the technique of internal combustion engines.

DLC: TJ755.P58

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.

POLESITSKIY, K.

Selskokhozi istvennye Mashiny i Orudiya (Agricultural Machinery and Implements)

Four Continent Book List, April 1954

POLEVITSKIY, Konstantin Aleksandrovich.

[Agricultural machines and implements] Sel'skokhoziaistvennye mashiny i orudiia. Izd.2., perer. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1946. 508 p. (MIRA 14:7)

(Agricultural machinery)

Р. А.

Sel'skookhoziaistvennye mashiny i orudiia [Agricultural machinery and tools]. ind. 3-e.
Moskva, Sel'khozgiz, 1953. 612 p.

SO: Monthly List of Russian Accessions, Vol 7, No 4, July 1954.

POLEVITSKIY, K. A., Prof.

Vegetable Gardening

Our experience in mechanizing vegetable gardening. Sad i og. No. 2, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. UNCLASSIFIED.

POLEVITSKIY, K. A., Prof.

Agricultural Machinery

Review of Prof. N. V. Shchuchkin's book "Plows and disc-harrows," Mashgiz, Moscow
1952. Sel'khoz mashina No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, _____ June _____ 1953, Uncl.

POLEVITSKIY, K.A.

The author is a senior research associate of the Leningrad Agricultural Institute, Leningrad. He has published a number of scientific papers on the problems of agricultural machinery and equipment. He is also a member of the Leningrad Agricultural Institute.

(Sov)
Polevitskiy, K.A.

(Sov) "Agricultural Machines
and Equipment" (text-
book)

(Sov) Leningrad Agricultural In-
stitute